



June 11, 2013

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**Ex Parte**

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Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW  
Washington, DC 20554

**Re: Expanding the Economic and Innovation Opportunities of Spectrum Through Incentive Auctions, GN Docket No. 12-268**

Dear Ms. Dortch:

On June 7, 2013, Charla Rath, Christopher Oatway, Patrick Welsh, Sanyogita Shamsunder, Jignesh Panchal and I met with Gary Epstein and Edward Smith of the Incentive Auctions Task Force; Chris Helzer, Tom Peters, Paul Malmud, Blaise Scinto, Jennifer Tomchin, and John Leibovitz of the Wireless Telecommunications Bureau; and Bill Lake and Rebecca Hanson of the Media Bureau.

We expressed support for the “Down from Channel 51” band plan proposal, which locates paired uplink spectrum adjacent to the 700 MHz block, incorporates a duplex gap that is no larger than is technically necessary, and locates downlink operations on the other side of the duplex gap. We urged the FCC to maximize the amount and utility of spectrum repurposed for mobile broadband and stated our support for market variability.

We discussed the attached slides, which outline two alternative families of band plans that the FCC could implement depending on the amount of spectrum cleared. For higher clearing scenarios in which at least 84 MHz clears nationwide, we recommended a 35x35 approach. For a lower-clearing scenario, we suggested a 25x25 plan. We discussed the benefits of our band plan over other proposals, including enhanced antenna efficiency, maximized paired spectrum and reduced interference. We stated our concerns with both the “Down from 51 Reversed” approach, which would require the placement of extra guard bands in the band and would not avoid co-channel interference issues, as well as the TDD proposal, which similarly would not avoid co-channel interference issues and which suffers from various well-documented drawbacks, including the need for an unprecedented amount of coordination between carriers.

Sincerely,

A handwritten signature in black ink, appearing to read "Leora Hochstein".

Attachment

## 600MHz Incentive Auction Band Plan Discussion



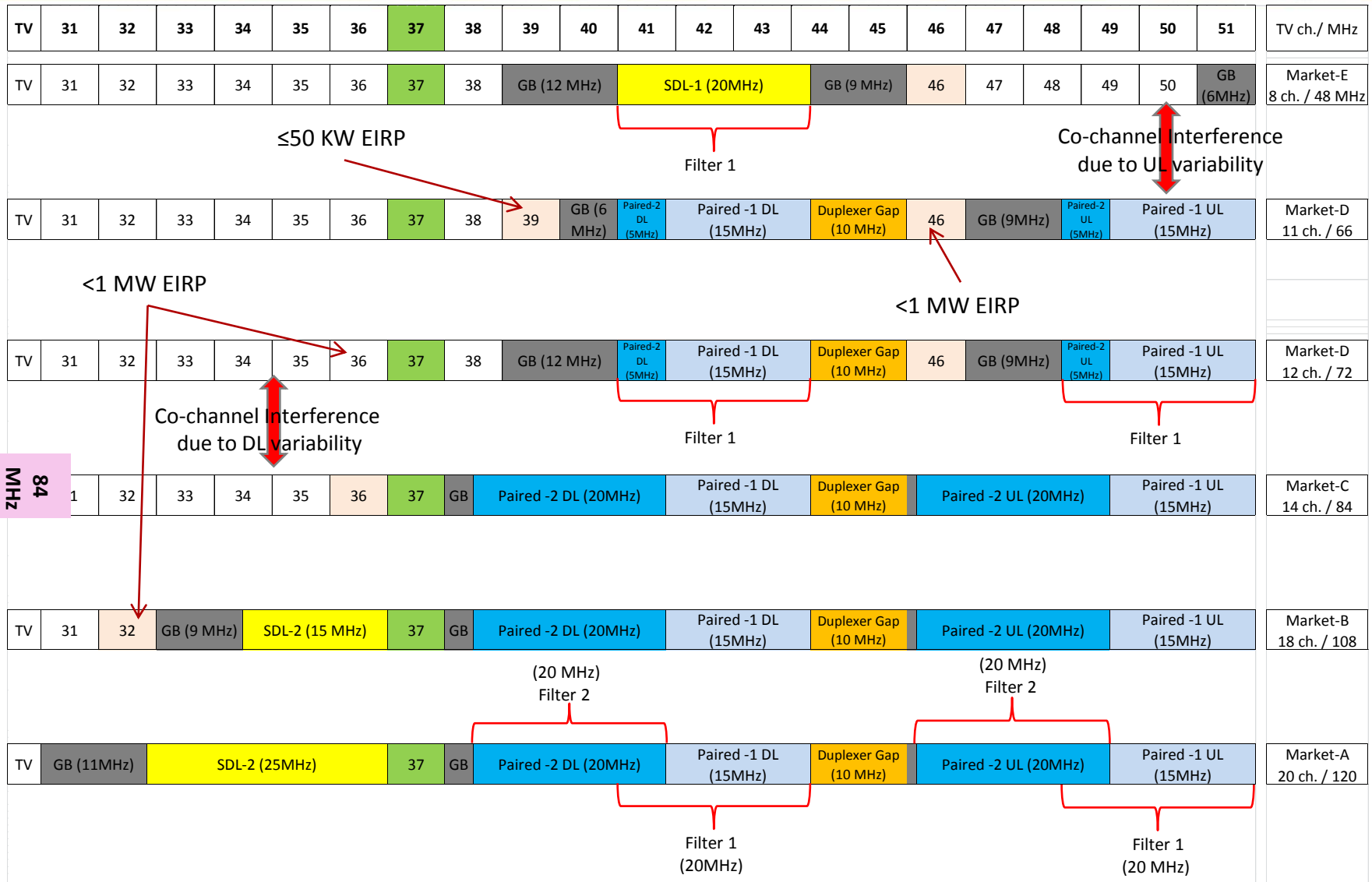
June 7, 2013

Network Technology and Strategy  
Corporate Technology



# Higher Clearance Scenario Band Plan

## 35x35MHz Two FDD pairs (with Overlapping Filters)





# Lower Clearing Scenario Band Plan

## 25x25 MHz FDD Pair

(One Filter)

≤50 KW EIRP

TV	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	TV ch./ MHz
TV	31	32	33	34	35	36	37	38	39	40	GB (6 MHz)	SDL-1 (25MHz)				GB (11MHz)		48	49	50	GB (6MHz)	Market-G 8 ch. / 48 MHz
TV	31	32	33	34	35	36	37	38	39	GB (12MHz)		SDL-1 (25MHz)				GB (11MHz)		48	49	50	GB (6MHz)	Market-F 9 ch. / 54 MHz
TV	31	32	33	34	35	36	37	38	39	40	GB (6 MHz)		Paired DL (20MHz)		Duplexer Gap (10 MHz)		GB (5MHz)	Paired UL (20MHz)			Market-E 11 ch. / 66	
BASE MHz 72		32	33	34	35	36	37	38	39	GB (12MHz)		Paired-1 DL (25MHz)				Duplexer Gap (10 MHz)		Paired-1 UL (25MHz)			Market-D 12 ch. / 72	
	TV	31	32	33	34	35	36	37	GB	SDL-2 (20MHz)			Paired-1 DL (25MHz)		Duplexer Gap (10 MHz)		Paired-1 UL (25MHz)			Market-C 14 ch. / 84		
TV	31	32	GB (9 MHz)		SDL-2 (15 MHz)		37	GB	SDL-2 (20MHz)			Paired-1 DL (25MHz)		Duplexer Gap (10 MHz)		Paired-1 UL (25MHz)			Market-B 18 ch. / 108			
TV	GB (11MHz)		SDL-3 (25MHz)				37	GB	SDL-2 (20MHz)			Paired-1 DL (25MHz)		Duplexer Gap (10 MHz)		Paired-1 UL (25MHz)			Market-A 20 ch. / 120			
											Filter 1 (25MHz)				Filter 1 (25MHz)							

<1 MW EIRP